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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Application Number	10/779,885
Filing Date	February 17, 2004
First Named Inventor	Hans Thomann
Art Unit	2863
Examiner Name	Victor J. Taylor
Attorney Docket Number	PM 2000.010A/4

Total Number of Pages in This Submission

**ENCLOSURES (Check all that apply)**

- |   |   |   |
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| <input checked="" type="checkbox"/> Fee Transmittal Form (in duplicate)<br><input type="checkbox"/> Fee Attached<br><input type="checkbox"/> Amendment/Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input checked="" type="checkbox"/> Information Disclosure Statement<br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Response to Missing Parts/<br>Incomplete Application<br><input type="checkbox"/> Response to Missing Parts<br>under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s) (Formal)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a<br>Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation<br>Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____<br><input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC<br><input type="checkbox"/> Appeal Communication to Board<br>of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to TC<br>(Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input checked="" type="checkbox"/> Other Enclosure(s) (please Identify<br>below):<br>Form PTO/SB/08 (in duplicate);<br>Copies of one hundred sixty-six<br>(166) cited references; and<br>Return Postcard |
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Fish & Neave IP Group  
Ropes & Gray LLP

Signature

Printed name  
Edward M. Arons

Date

Reg. No. 44,511

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ROSE MARIE DHANRAJ

Date April 5, 2007

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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APR 05 2007

Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

**FEE TRANSMITTAL**  
for FY 2005**Complete If Known**

Application Number	10/779,885
Filing Date	February 17, 2004
First Named Inventor	Hans Thomann
Examiner Name	Victor J. Taylor
Art Unit	2863
Attorney Docket No.	PM 2000.010A/4

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$180.00)

**METHOD OF PAYMENT (check all that apply)**☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_☒ Deposit Account Deposit Account Number: 06-1075 (Order No. 099999-0099), Deposit Account Name: Fish & Neave

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below☐ Charge fee(s) indicated below,☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17☒ Credit any overpayments**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES****Fee Description**

Each claim over 20 (including Reissues)

Each independent claim over 3 (including Reissues)

Multiple dependent claims

<b>Total Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fees Paid (\$)</b>
- 20 or HP =	x	=	

HP = highest number of total claims paid for, if greater than 20

<b>Indep. Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fees Paid (\$)</b>
- 3 or HP =	x	=	

HP = highest number of independent claims paid for, if greater than 3

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

<b>Total Sheets</b>	<b>Extra Sheets</b>	<b>Number of each additional 50 or fraction thereof</b>	<b>Fee (\$)</b>	<b>Fees Paid (\$)</b>
- 100 =	/50 =	(round up to a whole number)	x	=

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge):

Information Disclosure Statement Fee Under 37 CFR §§ 1.17 (p) and 1.197 (c)(2)

\$180.00

**SUBMITTED BY**

Signature

Registration No. 44,511

Telephone 212-596-9000

Name (Print/Type)

Edward M. Arons

Date April 5, 2007

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENTS

Attorney Docket No. PM 2000.010A/4



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

Applicants : Hans Thomann et al.  
Application No. : 10/779,885 Confirmation No. : 9638  
Filed : February 17, 2004  
For : METHOD FOR BOREHOLE MEASUREMENT  
OF FORMATION PROPERTIES  
Group Art Unit : 2863  
Examiner : Victor J. Taylor

New York, New York  
April 5, 2007

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97, applicants hereby make the  
following references of record in the above- identified patent application:

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\* This reference is a brochure that was addressed to an inventor named on the instant application. The inventor's name and business address were redacted from the enclosed copy of the brochure.

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The aforementioned references are listed on the accompanying Form PTO/SB/08 (submitted in duplicate). Copies of the documents other than U.S. patents are enclosed herewith.

It is respectfully requested that these documents be (1) fully considered by the United States Patent and Trademark Office during examination of this application; and (2) printed on any patent which may issue on this application. Applicants request that a copy of Form PTO/SB/08, as considered and initialed by the Examiner, be returned with the next communication.

Applicants also wish to bring to the Examiner's attention the following United States Court of Customs and Patent Appeals opinion (copy enclosed):

Application of Dean M. Christensen, Patent Appeal No. 8558, 478 F.2d 1392 (CCPA 1973).

Applicants respectfully request that the Examiner initial the "All References Have Been Considered" statement on the bottom of the enclosed Form PTO/SB/08 to indicate that the opinion, which is not listed on the Form, was considered (See MPEP § 609(c)).

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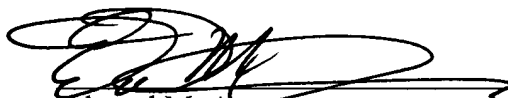
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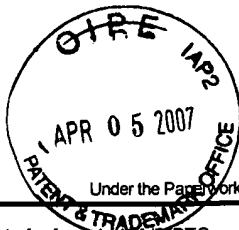
Action, a Notice of Allowance, or an action that otherwise closes prosecution in the application. Therefore, in accordance with 37 C.F.R. § 1.97(c)(2), the Director is hereby authorized to charge \$180.00 in payment of the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 06-1075 (Order No. 099999-0099). A Form PTO/SB/17 Fee Transmittal is transmitted herewith in duplicate.

Consideration of the foregoing in relation to this patent application is respectfully requested.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'E. M. Arons', is written over a horizontal line.

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				Application Number	10/779,885
				Filing Date	February 17, 2004
				First Named Inventor	Hans Thomann
				Art Unit	2863
				Examiner Name	Victor J. Taylor
Sheet	1	of	21	Attorney Docket Number	PM 2000.010A/4

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
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				First Named Inventor	Hans Thomann
				Art Unit	2863
				Examiner Name	Victor J. Taylor
Sheet	2	of	21	Attorney Docket Number	PM 2000.010A/4

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
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		WO 02/31538 A1	04-18-2002	ExxonMobil Upstream Research Company		

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		Dickinson, George, "Geological Aspects of Abnormal Reservoir Pressures in Gulf Coast Louisiana," Bulletin of the American Association of Petroleum Geologists, Vol. 37, No. 2, pp. 410-432, February 1953.	
		Sarmiento, Roberto, "Geological Factors Influencing Porosity Estimates From Velocity Logs," Bulletin of the American Association of Petroleum Geologists, Vol. 45, No. 5, pp. 633-644, May 1961.	
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				Filing Date	February 17, 2004
				First Named Inventor	Hans Thomann
				Art Unit	2863
				Examiner Name	Victor J. Taylor
Sheet	4	of	21	Attorney Docket Number	PM 2000.010A/4

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		Todd, T. and Simmons, G., "Effect of Pore Pressure on the Velocity of Compressional Waves in Low-Porosity Rocks," Journal of Geophysical Research, Vol. 77, No. 20, pp. 3731-3743, July 10, 1972.	
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		Dutta, N.C., "Shale Compaction, Burial Diagenesis, and Geopressures: A Dynamic Model, Solution and Some Results," in Jean Burrus, ed., <i>Thermal Modeling In Sedimentary Basins</i> , 1st IFP Exploration Research Conference, Carcans, France, June 3-7, 1985, Paris: Editions Technip, pp. 149-172, 1986.	
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				First Named Inventor	Hans Thomann
				Art Unit	2863
				Examiner Name	Victor J. Taylor
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				First Named Inventor	Hans Thomann
				Art Unit	2863
				Examiner Name	Victor J. Taylor
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